

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : John C. Harvey and  
James W. Cuddihy  
Serial No. : 08/474,146  
Docket No. : 5634.0186  
Filed : June 7, 1995  
For : SIGNAL PROCESSING APPARATUS AND METHODS  
Group Art Unit : 2699  
Examiner : FAILE, A.

**Box: FEE-AMENDMENT**

Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
MAR 26 2002  
Technology Center 2600

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, Applicants respectfully request consideration of the references listed on the attached Form PTO-1449.

Applicants respectfully request that the Examiner consider the references cited on the PTO-1449 and that the Examiner indicate that the references have been considered in this application by returning a copy of the Form PTO-1449 with the Examiner's initials in the left column per M.P.E.P. § 609.

**I. Description of the References**

The references identified in this Supplemental Information Disclosure Statement ("Supplemental IDS") can be grouped into three categories. *First*, there are references identified in this Supplemental IDS that were cited to the PTO in connection with related applications, but were not cited in the instant application due to applicants' asserted

03/21/2002 HTECKLU1 00000010 08474146

01 FC:126

180.00 0P

priority date of November 3, 1981. Applicants are now citing these references because the Examiner has challenged applicants' November 3, 1981 priority date. Applicants maintain, however, that this application is entitled to the benefit of the challenged November 3, 1981 filing date.

*Second*, applicants have identified in this Supplemental IDS references made of record in applicants' related applications that have not previously been made of record in the instant case.

*Third*, this Supplemental IDS identifies two new references that have not previously been identified in this application or any other related applications to date. These two new references are Japanese references that came to applicants' attention during the prosecution of applicants' applications pending in Japan. These new references are: JP 59-224988 and JP 61-174889.

## **II. Description of Corrections**

In the course of preparing this Supplemental IDS applicants identified a number of miscellaneous inadvertent clerical errors contained in previously filed information disclosure statements. Applicants have corrected any such inadvertent errors with respect to references that are identified in this Supplemental IDS. With respect to inadvertent errors that occurred in information disclosure statements previously filed in this application applicants' identify and correct such inadvertent errors as follows:

- In the May 11, 2001 Information Disclosure Statement, the foreign patent reference previously identified as JP 59-50134 is correctly identified as JP 59-501340. Also in the May 11, 2001 Information Disclosure Statement, the foreign patent reference FR 79-03351 identifies the French application

number. The correct identification of this reference is publication number FR 2,417,226.

- With respect to foreign patent references in various information disclosure statements, information regarding the publication dates of these references may not have been supplied or may have been incorrectly identified. Additionally, applicants made inadvertent errors with respect to the provision of translations for certain foreign language references. A corrected complete list of all foreign references made of record in applicants' related pending applications is identified in Appendix A.
- In the concise explanation previously provided for foreign reference DE 2,338,330, this reference was misidentified. The correct patent number for this German reference is DE 2,338,380.
- Applicants discovered that they inadvertently filed an Information Disclosure Statement filed on April 5, 1996 in this application that was missing certain pages. The references on those missing pages that should have been filed on April 5, 1996 are included on this Supplemental IDS.

### **III. Concise Explanations of Foreign Language References**

Applicants unintentionally may not have provided concise explanations for certain previously identified foreign language references. Concise explanations for these references are provided in Appendix B. Additionally, in Appendix B applicants provide concise explanations for the two new Japanese references cited for the first time in this Supplemental IDS.

Applicants' submission of Appendix B meets the requirements regarding a concise explanation of foreign references as set forth in 37 CFR 1.98 and M.P.E.P. § 609.

#### IV. Conclusion

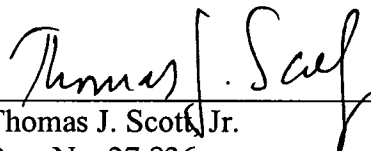
Pursuant to an agreement reached between the Examiner and applicants (see first Office Action issued in this application), applicants are not submitting copies of the references cited in this Supplemental IDS where applicants have previously provided copies of all of the references cited herein in related applications. Applicants are presently providing newly acquired translations of three Japanese patent applications, 58-99817, 56-84340 and 58-29020 in applicants' application number 08/113,329, pursuant to the same agreement mentioned above.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance. 37 C.F.R. § 1.97(c).

Submitted herewith is a check in the amount of \$180.00 to cover the fee for filing this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.17(p). Any deficiency in or overpayment of this fee should be charged or credited to Deposit Account No. 50-0206.

Date: March 19, 2002  
**HUNTON & WILLIAMS**  
1900 K Street, N.W.  
Washington, DC 20006

Respectfully submitted,

  
\_\_\_\_\_  
Thomas J. Scott, Jr.  
Reg. No. 27,836  
Tel.: (202) 955-1685  
Fax: (202) 778-2201

# APPENDIX A

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION NO YES	
20,242	12/10/80	EPO	G09G 1/16	X	
46,108	02/17/82	EPO	H04N 5/76	X	
49,184	04/07/82	EPO	G09B 7/08	X	
53,984**		Japan		X	
55,167	06/30/82	EPO	G09G 1/16	X	
55,674	07/07/82	EPO	07/07/82		
56,649	07/28/82	EPO	H04N 5/44		
481,565	04/29/76	Australia			
77,712	04/27/83	EPO	H04N 7/00	X	
78,185	05/04/83	EPO	H04N 7/00	X	
103,438	03/21/84	EPO	H04N 7/10		
128,481	12/19/84	EPO	H04N 7/00		
132,007	01/23/85	EPO	H04N 7/16		
133,985	03/13/85	EPO	H 04 N 7/087		
152,251	08/21/85	EPO	H04H 1/2		
187,417	07/16/86	EPO	H04 N 7/087		
206,821	12/30/86	EPO	H04N 7/00		
217,308	04/08/87	EPO	H04M 11/00		
857,862	1/4/61	Great Britain	40 (1)	RECEIVED MAR 26 2002 Technology Center 2600	
959,274	05/27/64	Great Britain			
1,066,931	04/26/67	Great Britain	G 07c		
1,189,612	06/25/85	Canada	Ho4n 7/08		
1,204,190	09/03/70	Great Britain			
1,213,357	11/25/70	Great Britain			
1,216,977	01/20/87	Canada	HO4M 11/00		
1,370,535	10/16/74	Great Britain	GO9G1/16		
1,396,981	06/11/75	Great Britain	H04H 1/00		
1,515,309	06/21/78	Great Britain	G06 K 15/20		
1,523,307	08/31/78	Great Britain	H03K 5/08		
1,543,502	04/04/79	Great Britain	G08B9/00		
1,554,411	10/17/79	Great Britain	H04b 3/54		
1,556,366	11/21/79	Great Britain			
1,582,563	01/14/81	Great Britain	G08B9/00		
1,584,111	02/04/81	Great Britain	G08B9/00		
2,016,874	02/01/79	Great Britain			
2,033,699	05/21/80	Great Britain	H04L 1/10, 1/40		
2,034,995	06/11/80	Great Britain	H03J 7/18, 5/00		

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION NO	YES
2,051,527	01/14/81	Great Britain	G06F 3/153		
2,058,681	06/15/72	Germany	H04N 7/08	X	
2,067,379	07/22/81	Great Britain	H04L 1/24		
2,081,948	02/24/82	Great Britain	H04Q 9/00		
2,090,504	07/07/82	Great Britain	H04N 3/16		
2,103,455	02/16/83	Great Britain	H04N 1/00 7/12		
2,126,002	03/14/84	Great Britain	G11B 15/02		
2,140,963	12/05/84	Great Britain			
2,141,897	01/03/85	Great Britain	H04N 7/16		
2,164,229	03/12/86	Great Britain			
2,167,917	06/04/86	Great Britain			
2,185,670	07/22/87	Great Britain	H04N 7/087		
2,338,380	02/13/75	Germany		X	
2,356,969	05/22/75	Germany			X
2,417,226	02/01/79	France		X	
2,453,441	05/13/76	Germany	H04L 9/00	X	
2,496,376	06/18/82	France	H04N 7/00	X	
2,516,733	05/05/83	France	H04N 7/00	X	
2,550,624	05/26/77	Germany		X	
2,823,175	11/29/79	Germany	G06F 3/12	X	
2,831,014	04/03/80	Germany		X	
2,853,764	01/29/81	Germany		X	
2,904,891	08/16/79	Germany			X
2,918,846	11/13/80	Germany	F26B 12/02		X
3,020,787	12/17/81	Germany	H04N 7/08	X	
3,039,949	05/06/82	Germany	H04M 3/42	X	
3,112,249	10/07/82	Germany	G09G 1/28	X	
3,143,627	05/11/83	Germany			X
3,337,204	04/25/85	Germany	H04N 5/44	X	
53-068124	06/17/78	Japan			X
53-11515	02/02/78	Japan		X	
53-121420	10/23/78	Japan		X	
55-028691	02/29/80	Japan			X
55-26792	02/26/80	Japan		X	
55-49084	04/08/80	Japan			X
55-500886	10/30/80	Japan		X	
55-79585	06/16/80	Japan		X	
56-47179	04/28/81	Japan			X
56-51161	05/08/81	Japan			X
57-199377	12/07/82	Japan			X
58-156279	09/17/83	Japan		X	

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION NO YES	
58-209276	12/06/83	Japan			X
59-154886	09/03/84	Japan			X
59-160387	09/11/84	Japan	H04N 7/10		X
59-224988	12/17/84	Japan			X
59-501340	03/23/84	Japan		X	
60-123182	07/01/85	Japan			X
60-146587	08/02/85	Japan		X	
60-149281	08/06/85	Japan		X	
60-256289	12/17/85	Japan	H04N 7/173		X
60-61935	04/09/85	Japan	G11B15/02	X	
61-148988	07/07/86	Japan	H04N 7/173		X
61-174889	08/06/86	Japan		X	
61-20441	01/29/86	Japan		X	
61-267474	11/27/86	Japan		X	
61-50470	03/12/86	Japan	H04N 5/44	X	
PL 204,525	02/09/78	Poland		X	
WO 80/00292	02/21/80	PCT Appl.	H04N9/16	X	
WO 80/02093	10/02/80	PCT Appl.	H04B 1/20		
WO 80/02901	12/24/80	PCT Appl.	H04N 7/16	X	
WO 81/02961	10/15/81	PCT Appl.	H04N 7/16; 7/04		
WO 83/00789	03/03/83	PCT Appl.	H04N 7/08	X	
WO 85/03604	08/15/85	PCT Appl.	H03K 3/84		
WO 85/03830	08/29/85	PCT Appl.	H04N 7/16		
WO 87/04884	08/13/87	PCT Appl.	H04M 11/08		

\*\* Japanese reference 53,984 to Jinno was cited by the Examiner in Application No. 08/470,447. The Examiner did not supply a publication date and applicants have been unable to determine a publication date for this reference.

**APPENDIX B**

**Concise Explanations for Foreign References**

**JP 61-174889            August 6, 1986            Japan**

Foreign language patent JP 61-174889 came to applicants' attention during the prosecution of applicants' applications pending in Japan.

**FR 2,417,226            February 1, 1979            France**  
**PL 204,525            February 9, 1978            Poland**

The French reference 2,417,226 and Polish reference PL 204,525 are both applications filed by Zaboklicki. The PTO has cited the German application filed by Zaboklicki which claims priority to the Polish Zaboklicki application. Translations of the German Zaboklicki application have been provided to the Examiner.

**DE 2,831,014            April 3, 1980            Germany**

The German reference DE 2,831,014 was applied by the Examiner in the September 4, 2001 Office Action in Application No. 08/487,526.

**JP 55-26792            February 26, 1980            Japan**

The Japanese reference JP 55-26792 was applied by the Examiner in the August 27, 2001 Office Action in Application No. 08/470,571.

**WO 80/02901            December 24, 1980            France**

The WO 80/02901 reference discloses a television system with a double key encryption service for subscription television.

**DE 3,337,204            April 3, 1980            Germany**

German reference DE 3,337,204 discloses a viewer interactive program schedule.



The following Japanese references were identified on applicants' on May 11, 2001 IDS, but explanations were unintentionally not provided. All of these applications came to applicants' attention during the prosecution of applicants' applications pending in Japan.

<b>JP 53-11515</b>	<b>February 2, 1978</b>	<b>Japan</b>
<b>JP 53-121420</b>	<b>October 23, 1978</b>	<b>Japan</b>
<b>JP 55-500886</b>	<b>October 30, 1980</b>	<b>Japan</b>
<b>JP 59-501340</b>	<b>March 23, 1984</b>	<b>Japan</b>
<b>JP 60-146587</b>	<b>September 2, 1985</b>	<b>Japan</b>
<b>JP 61-20441</b>	<b>January 29, 1986</b>	<b>Japan</b>
<b>JP 61-267474</b>	<b>November 27, 1986</b>	<b>Japan</b>

The following references were cited on PTO form 892 by the Examiners in applicants related pending applications.

<b>JP 58-156279</b>	<b>September 17, 1983</b>	<b>Japan</b>
<b>JP 55-79585</b>	<b>June 16, 1980</b>	<b>Japan</b>

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

CITATION FORM

Attorney Docket No.

05634.0186

Serial No.

08/474,146

Applicant(s)

John C. Harvey and James W. Cuddihy

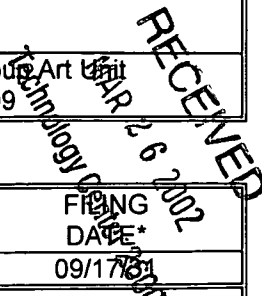
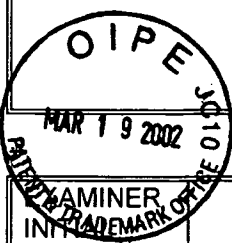
Filing Date

June 7, 1995

Group Art Unit

2699

UNITED STATES PATENT DOCUMENTS



PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
1,992,271	02/26/35	Williams		09/17/81
2,046,381	07/07/36	Hicks et al.	12/10/30	
2,192,217	03/05/40	Bellamy, et al.	07/15/29	
2,217,881	10/15/40	Allen		02/18/32
2,236,077	03/25/41	Smith		05/29/30
2,264,563	12/02/41	Bumstead		01/02/32
2,570,209	10/09/51	Cotsworth, III	05/01/48	
2,855,993	10/14/58	Rahmel	358/84	03/19/54
2,995,624	08/08/61	Watters		03/11/59
3,011,153	11/28/61	Haselton et al.	05/23/56	
3,029,308	04/10/62	Adler et al.	09/22/58	
3,082,402	03/19/63	Scantlin		05/10/60
3,366,731	01/30/68	Wallerstein	08/11/67	
3,612,752	10/12/71	Banning, Jr.	178/5.1	06/22/66
3,764,983	10/09/73	Stok	340/150	05/03/72
3,778,058	12/11/73	Rausch	463/3	06/17/71
3,778,721	12/11/73	Moran	325/396	09/08/72
3,982,064	09/21/76	Barnaby	348/467	
4,035,838	07/12/77	Bassani et al.	358/86	03/16/76
4,057,829	11/08/77	Moorehead	358/86	
4,059,729	11/22/77	Eddy et al.	179/15 BF	06/09/76
4,061,879	12/06/77	Wintzer	179/15 BA	09/29/75
4,162,483	07/24/79	Entenman	340/147 R	04/01/77
4,175,267	11/20/79	Tachi	358/4	
4,225,918	09/30/80	Beadle et al.	364/200	03/09/77
4,290,062	09/15/81	Marti, et al.	340/721	
4,303,940	12/01/81	Ciciora	358/142	
4,303,941	12/01/81	Marti, et al.	358/147	
4,319,353	03/09/82	Alvarez, III et al.	370/104	02/29/80
4,333,109	06/01/82	Ciciora	358/147	
4,335,402	06/15/82	Holmes	358/147	11/14/80
4,338,643	07/06/82	Tadokoro	360/135	
4,347,618	08/31/82	Kavouras, et al.	375/37	
4,352,011	09/28/82	Guillou	235/375	
4,365,249	12/21/82	Tabata	340/825.3	09/29/80
4,369,333	01/18/83	Gemperle et al.	178/22.13	
4,383,273	05/10/83	Lunn	348/725	12/29/80
4,386,416	05/31/83	Giltner et al.	364/900	06/02/80
4,393,376	07/12/83	Thomas	340/717	
4,405,946	09/20/83	Knight	358/192.1	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	4,410,911	10/18/83	Field et al.	358/121	
	4,412,244	10/25/83	Shanley, II	358/22	
	4,414,516	11/08/83	Howard	333/21A	
	4,425,664	01/10/84	Sherman et al.	375/8	
	4,426,698	01/17/84	Pargee, Jr.	371/37	08/24/81
	4,429,385	01/31/84	Cichelli et al.	370/92	
	4,433,211	02/21/84	McCalmont et al.	179/1.5 S	
	4,439,785	03/27/84	Leonard	358/120	
	4,449,249	05/15/84	Price	455/45	
	4,450,442	05/22/84	Tanaka	340/814	
	4,451,700	05/29/84	Kempner et al.	179/2 AS	
	4,454,543	06/12/84	Lund et al.	358/118	
	4,454,594	06/12/84	Heffron et al.	364/900	
	4,456,925	06/26/84	Skerlos et al.	358/85	
	4,458,109	07/03/84	Mueller-Schloer	178/22.11	
	4,458,268	07/03/84	Ciciora	358/120	
	4,458,315	07/03/84	Uchenick	364/200	
	4,460,922	07/17/84	Ensinger et al.	358/122	
	4,462,076	07/24/84	Smith, III	364/200	
	4,462,078	07/24/84	Ross	364/300	
	4,475,153	10/02/84	Kihara et al.	364/145	
	4,475,189	10/02/84	Herr et al.	370/62	
	4,476,573	10/09/84	Duckeck	455/45	
	4,477,830	10/16/84	Lindman et al.	358/1	
	4,484,027	11/20/84	Lee et al.	178/22.13	
	4,484,217	11/20/84	Block et al.	358/84	
	4,486,773	12/04/84	Okubo	358/84	
	4,488,289	12/11/84	Turner	370/60	
	4,489,220	12/18/84	Oliver	179/2 AM	
	4,491,945	01/01/85	Turner	370/60	
	4,494,142	01/15/85	Mistry	358/118	
	4,494,156	01/15/85	Kadison et al.	360/48	
	4,494,230	01/15/85	Turner	370/60	
	4,495,623	01/22/85	George et al.	371/38	09/02/82
	4,495,654	01/22/85	Deiss	455/151	
	4,496,171	01/29/85	Cherry	283/61	
	4,496,975	01/29/85	Noirel	358/147	
	4,496,976	01/29/85	Swanson et al.	358/147	
	4,498,098	02/05/85	Stell	358/22	
	4,503,287	03/05/85	Morris et al.	178/22.08	
	4,503,538	03/05/85	Fritz	371/28	
	4,507,680	03/26/85	Freeman	358/86	
	4,509,073	04/02/85	Baran et al.	358/86	
	4,510,623	04/09/85	Bonneau et al.	455/181	
	4,512,011	04/16/85	Turner	370/60	
	4,513,324	04/23/85	Poetsch et al.	358/214	
	4,520,392	05/28/85	Cox et al.	358/147	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	4,520,404	05/28/85	Von Kohorn	358/335	
	4,521,806	06/04/85	Abraham	358/86	
	4,527,194	07/02/85	Sirazi	358/86	
	4,531,020	07/23/85	Wechselberger et al.	178/22.08	
	4,532,540	07/30/85	Wine	358/12	03/28/83
	4,532,547	07/30/85	Bennett	358/148	
	4,533,948	08/06/85	McNamara et al.	358/122	
	4,533,949	08/06/85	Fujimura et al.	358/122	
	4,535,355	08/13/85	Arn et al.	358/123	
	4,538,174	08/27/85	Gargini et al.	358/86	
	4,539,676	09/03/85	Lucas	370/60	
	4,540,849	09/10/85	Oliver	179/2 AM	
	4,543,616	09/24/85	Brooks	358/335	
	4,544,963	10/01/85	Jacoby et al.	360/40	
	4,546,382	10/08/85	McKenna et al.	358/84	
	4,546,387	10/08/85	Glaab	358/186	
	4,550,407	10/29/85	Couasnon et al.	371/29	
	4,553,252	11/12/85	Egendorf	377/15	
	4,554,418	11/19/85	Toy	179/2 DP	
	4,554,584	11/19/85	Elam et al.	358/165	
	4,558,464	12/10/85	O'Brien, Jr.	455/4	
	4,562,306	12/31/85	Chou et al.	178/22.08	
	4,562,465	12/31/85	Glaab	358/120	
	4,562,495	12/31/85	Bond et al.	360/78	
	4,563,702	01/07/86	Heller et al.	358/119	
	4,566,034	01/21/86	Harger et al.	358/194.1	
	4,567,512	01/28/86	Abraham	358/86	
	4,570,930	02/18/86	Matheson	273/1 E	
	4,573,072	02/25/86	Freeman	358/86	
	4,573,151	02/25/86	Jotwani	370/56	
	4,574,305	03/04/86	Campbell et al.	358/86	
	4,575,750	03/11/86	Callahan	358/86	
	4,577,289	03/18/86	Comerford et al.	364/900	
	4,578,536	03/25/86	Oliver et al.	179/2 AM	
	4,578,718	03/25/86	Parker et al.	360/10.3	
	4,580,165	04/01/86	Patton et al.	358/148	
	4,583,128	04/15/86	Anderson, Jr. et al.	358/302	
	4,584,641	04/22/86	Guglielmino	364/200	
	4,586,134	04/29/86	Norstedt	364/200	
	4,588,991	05/13/86	Atalla	340/825.31	
	4,589,064	05/13/86	Chiba et al.	364/200	
	4,590,516	05/20/86	Abraham	358/86	
	4,591,248	05/27/86	Freeman	352/133	
	4,591,664	05/27/86	Freeman	179/6.06	
	4,591,906	05/27/86	Morales-Garza et al.	358/84	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	4,592,546	06/03/86	Fascenda et al.	273/1 E	
	4,593,376	06/03/86	Volk	364/900	
	4,594,609	07/10/86	Romao et al.	358/119	
	4,595,950	06/17/86	Löfberg	358/122	
	4,595,951	06/17/86	Filliman	358/147	
	4,595,952	06/17/86	Filliman	358/47	
	4,596,021	06/17/86	Carter et al.	375/5	
	4,597,058	06/24/86	Izumi et al.	364/900	
	4,599,611	07/08/86	Bowker et al.	340/721	
	4,599,647	07/08/86	George et al.	358/122	
	4,600,918	07/15/86	Belisomi et al.	340/711	
	4,600,921	07/15/86	Thomas	340/825.31	
	4,602,279	07/22/86	Freeman	358/86	
	4,603,232	07/29/86	Kurland et al.	179/2 AS	
	4,605,964	08/12/86	Chard	358/147	
	4,605,973	08/12/86	Von Kohorn	358/335	
	4,608,456	08/26/86	Paik et al.	179/1.5 S	
	4,613,901	09/23/86	Gilhousen et al.	358/122	
	4,614,972	09/30/86	Motsch et al.	358/147	
	4,616,262	10/07/86	Toriumi et al.	358/183	
	4,616,263	10/07/86	Eichelberger	358/185	
	4,620,224	10/28/86	Lee et al.	358/119	
	4,620,227	10/28/86	Levin et al.	358/147	
	4,620,229	10/28/86	Amano et al.	358/194.1	
	4,621,259	11/04/86	Schepers et al.	340/707	
	4,621,285	11/04/86	Schilling et al.	358/120	
	4,623,920	11/18/86	Dufresne et al.	358/122	01/20/83
	4,626,892	12/02/86	Nortrup et al.	358/21 R	
	4,626,909	12/02/86	Oniki et al.	358/114	
	4,630,108	12/16/86	Gomersall	358/84	
	4,630,262	12/16/86	Callens et al.	370/81	
	4,633,297	12/30/96	Skerlos et al.	358/22	
	4,634,807	01/06/87	Chorley et al.	178/22.08	
	4,634,808	01/06/87	Moerder	178/22.14	
	4,635,121	01/06/87	Hoffman et al.	358/188	
	4,636,858	01/13/87	Hague et al.	358/147	
	4,638,181	01/20/87	Deiss	307/243	
	4,638,357	01/20/87	Heimbach	358/121	
	4,638,359	01/20/87	Watson	358/147	
	4,639,779	01/27/87	Greenberg	358/142	
	4,639,890	01/27/87	Heilveil et al.	364/900	
	4,641,205	02/03/87	Beyers, Jr.	360/33.1	
	4,641,253	02/03/87	Mastran	364/328	
	4,641,307	02/03/87	Russell	370/60	
	4,644,396	02/17/87	Iwasaki	380/6	05/24/85
	4,646,075	02/24/87	Andrews et al.	340/747	
	4,647,964	03/03/87	Weinblatt	358/84	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	4,649,533	03/10/87	Chorley et al.	370/58	
	4,656,629	04/07/87	Kondoh et al.	370/85	
	4,658,093	04/14/87	Hellman	380/25	
	4,658,290	04/14/87	McKenna	358/84	
	4,663,735	05/05/87	Novak et al.	364/900	
	4,677,434	06/30/87	Fascenda	380/23	
	4,677,466	06/30/87	Lert, Jr. et al.	358/84	
	4,677,611	06/30/87	Yanosy, Jr. et al.	370/85	
	4,680,581	07/14/87	Kozlik et al.	340/825.06	
	4,685,056	08/04/87	Barnsdale, Jr. et al.	364/200	
	4,685,131	08/04/87	Horne	380/20	
	4,688,197	08/18/87	Novak et al.	365/230	
	4,688,247	08/18/87	Davidov	380/19	
	4,689,022	08/25/87	Peers et al.	434/307	
	4,689,619	08/25/87	O'Brien, Jr.	340/825.08	
	4,691,351	09/01/87	Hayashi et al.	380/10	
	4,692,817	09/08/87	Theis	360/12	
	4,692,819	09/08/87	Steele	360/72.1	
	4,694,490	09/15/87	Harvey et al.	380/20	
	4,694,491	09/15/87	Horne et al.	380/20	03/11/85
	4,695,953	09/22/87	Blair et al.	364/410	04/14/86
	4,696,034	09/22/87	Wiedemer	380/16	10/12/84
	4,697,281	09/29/87	O'Sullivan	379/59	03/14/86
	4,701,794	10/20/87	Fröling et al.	358/147	04/12/85
	4,704,725	11/03/87	Harvey et al.	380/48	
	4,707,828	11/17/87	Yamada	370/85	09/10/85
	4,709,418	11/24/87	Fox et al.	455/612	09/14/83
	4,710,800	12/01/87	Fearing et al.	358/22	09/16/85
	4,710,919	12/01/87	Oliver et al.	370/96	
	4,712,105	12/08/87	Köhler	340/825.69	04/30/85
	4,712,238	12/08/87	Gilhousen et al.	380/20	06/08/84
	4,712,239	12/08/87	Frezza et al.	380/20	06/16/86
	4,718,107	01/05/88	Hayes	455/4	
	4,720,819	01/19/88	Pinkham et al.	365/219	12/30/83
	4,722,526	02/02/88	Tovar et al.	273/1 E	01/20/87
	4,723,302	02/02/88	Fulmer et al.	455/2	
	4,724,491	02/09/88	Lambert	358/310	08/28/84
	4,728,949	03/01/88	Platte et al.	340/825.37	03/23/84
	4,731,679	03/15/88	O'Gwynn et al.	360/73	09/20/84
	4,733,301	03/22/88	Wright, Jr.	358/181	06/26/87
	4,734,907	03/29/88	Turner	370/60	09/06/85
	4,736,422	04/05/88	Mason	380/120	
	4,737,993	04/12/88	DeVilbiss	455/180	01/21/87
	4,740,890	04/26/88	William	364/200	12/22/83
	4,745,549	05/17/88	Hashimoto	364/402	06/06/86
	4,745,598	05/17/88	Ulug	370/89	11/27/85
	4,747,081	05/24/88	Heilveil et al.	365/219	12/30/83

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	4,747,139	05/24/88	Taaffe	380/44	10/21/86
	4,748,560	05/31/88	Kataoka	364/200	10/11/85
	4,750,036	06/07/88	Martinez	358/147	05/14/86
	4,750,213	06/07/88	Novak	455/67	06/09/86
	4,751,578	06/14/88	Reiter et al.	358/183	05/28/85
	4,751,665	06/14/88	Cappello et al.	364/748	02/24/86
	4,751,732	06/14/88	Kamitake	380/20	
	4,754,326	06/28/88	Kram et al.	364/900	10/25/83
	4,755,871	07/05/88	Morales-Garza et al.	358/84	11/25/86
	4,755,883	07/05/88	Uehira	358/335	09/11/85
	4,761,646	08/02/88	Choquet et al.	340/825.520	05/20/86
	4,763,317	08/09/88	Lehman et al.	370/58	12/13/85
	4,768,087	08/30/88	Taub et al.	358/84	06/06/85
	4,768,110	08/30/88	Dunlap et al.	360/33.1	05/06/87
	4,768,144	08/30/88	Winter et al.	364/200	10/20/86
	4,768,228	08/30/88	Clupper et al.	380/20	09/11/87
	4,768,229	08/30/88	Benjamin et al.	380/20	
	4,771,456	09/13/88	Martin et al.	380/10	11/06/86
	4,775,935	10/04/88	Yourick	364/401	09/22/86
	4,783,846	11/08/88	Wachob	455/151	06/04/87
	4,785,420	11/15/88	Little	364/513.5	
	4,786,979	11/22/88	Claus et al.	358/335	05/22/86
	4,787,063	11/22/88	Muguet	364/900	10/16/85
	4,787,085	11/22/88	Suto et al.	370/110.1	05/29/87
	4,789,863	12/06/88	Bush	340/825.350	01/13/88
	4,792,849	12/20/88	McCalley et al.	358/86	08/04/87
	4,792,973	12/20/88	Gilhousen et al.	380/24	12/04/87
	4,796,181	01/03/89	Wiedmer	364/406	
	4,802,114	01/31/89	Sogame	364/900	12/15/86
	4,803,725	02/07/89	Horne et al.	380/44	05/14/87
	4,805,014	02/14/89	Sahara et al.	358/86	09/14/87
	4,805,020	02/14/89	Greenberg	358/147	
	4,809,274	02/28/89	Walker et al.	371/37	
	4,812,843	03/14/89	Champion, III et al.	340/905	08/11/87
	4,813,011	03/14/89	Kulakowski et al.	364/900	05/13/85
	4,815,129	03/21/89	Griffin et al.	380/15	01/02/85
	4,816,904	03/28/89	McKenna et al.	358/84	
	4,816,905	03/28/89	Tweedy et al.	358/86	04/30/87
	4,821,032	04/11/89	Shimada et al.	340/825.210	12/23/85
	4,821,102	04/11/89	Ichikawa et al.	358/183	07/29/87
	4,825,050	04/25/89	Griffith et al.	235/379	09/13/83
	4,827,508	05/02/89	Shear	380/4	10/14/86
	4,833,710	05/23/89	Hirashima	380/20	12/03/87
	4,837,858	06/06/89	Ablay et al.	455/34	04/30/87
	4,841,386	06/20/89	Schiering	360/69	
	4,843,482	06/27/89	Hegendorfer	358/335	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	4,845,491	07/04/89	Fascenda et al.	340/825.44	05/15/87
	4,847,698	07/11/89	Freeman	358/343	07/16/87
	4,847,699	07/11/89	Freeman	358/343	07/16/87
	4,847,700	07/11/89	Freeman	358/343	07/16/87
	4,855,842	08/08/89	Hayes et al.	358/342	
	4,866,706	09/12/89	Christophersen et al.	370/85.7	08/27/87
	4,876,592	10/24/89	Von Kohorn	358/84	05/10/88
	4,879,611	11/07/89	Fukui et al.	360/69	
	4,885,579	12/05/89	Sandbank	340/825.72	
	4,885,775	12/05/89	Lucas	380/10	09/21/84
	4,887,172	12/12/89	Steele	360/73.06	04/10/87
	4,888,796	12/19/89	Olivo, Jr.	379/101	08/31/87
	4,893,248	01/09/90	Pitts et al.	364/464.01	02/06/87
	4,916,539	04/10/90	Galumbeck	358/142	03/14/89
	4,926,255	05/15/90	Von Kohorn	358/84	05/10/88
	4,941,040	07/10/90	Pocock et al.	358/86	02/10/88
	4,969,209	11/06/90	Schwob	455/158	06/29/88
	4,974,252	11/27/90	Osborne	379/92	10/04/88
	4,977,594	12/11/90	Shear	380/4	02/16/89
	4,982,430	01/01/91	Frezza et al.	380/50	
	4,993,066	02/12/91	Jenkins	380/16	
	5,010,571	04/23/91	Katznelson	380/4	09/10/86
	5,034,807	07/23/91	Von Kohorn	358/84	10/19/89
	5,036,537	07/30/91	Jeffers et al.	380/20	04/03/87
	5,045,848	09/03/91	Fascenda	340/825.26	09/29/87
	5,050,213	09/17/91	Shear	380/25	08/06/90
	5,057,915	10/15/91	Von Kohorn	358/84	10/25/90
	5,060,140	10/22/91	Brown et al.	364/200	01/16/86
	5,083,271	01/21/92	Thacher et al.	364/411	08/03/88
	5,089,885	02/18/92	Clark	358/86	08/01/88
	5,128,752	07/07/92	Von Kohorn	358/84	10/25/90
	5,140,419	08/18/92	Galumbeck et al.	358/142	12/21/89
	5,144,663	09/01/92	Kudelski et al.	380/16	11/13/90
	5,152,011	09/29/92	Schwob	455/158.5	06/19/90
	5,152,012	09/29/92	Schwob	455/158.5	04/27/90
	5,163,024	11/10/92	Heilveil et al.	365/219	05/09/90
	5,172,111	12/15/92	Olivo, Jr.	340/825.31	12/18/89
	5,177,604	01/05/93	Martinez	358/86	06/03/88
	5,191,410	03/02/93	McCalley et al.	358/86	02/05/91
	5,195,092	03/16/93	Wilson et al.	370/94.2	08/30/91
	5,208,665	05/04/93	McCalley et al.	358/86	02/15/91
	5,216,552	06/01/93	Dunlap et al.	360/33.1	08/30/88
	5,227,874	07/13/93	Von Kohorn	358/84	10/15/91
	5,283,734	02/01/94	Von Kohorn	364/412	09/19/91
	D302,178	07/11/89	King	D20/1	11/28/86
	Re. 32,835	01/17/89	Howard	333/21 A	11/06/85

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/



EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	Re. 33,662	08/13/91	Blair et al.	364/410	09/21/89
	Re. 33,808	01/28/92	Wright, Jr.	358/86	08/28/85
	Re. 34,034	08/18/92	O'Sullivan	379/59	09/29/89

\* If Pertinent

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION NO	YES
	46,108	02/17/82	EPO	H04N 5/76	X	
	49,184	04/07/82	EPO	G09B 7/08	X	
	55,167	06/30/82	EPO	G09G 1/16	X	
	56,649	07/28/82	EPO	H04N 5/44		
	77,712	04/27/83	EPO	H04N 7/00	X	
	78,185	05/04/83	EPO	H04N 7/00	X	
	103,438	03/21/84	EPO	H04N 7/10		
	128,481	12/19/84	EPO	H04N 7/00		
	132,007	01/23/85	EPO	H04N 7/16		
	133,985	03/13/85	EPO	H 04 N 7/087		
	152,251	08/21/85	EPO	H04H 1/02		
	206,821	12/30/86	EPO	H04N 7/00		
	217,308	04/08/87	EPO	H04M 11/00		
	1,189,612	06/25/85	Canada	Ho4n 7/08		
	1,204,190	09/03/70	Great Britain			
	1,213,357	11/25/70	Great Britain			
	1,216,977	01/20/87	Canada	HO4M 11/00		
	2,081,948	02/24/82	Great Britain	H04Q 9/00		
	2,090,504	07/07/82	Great Britain	H04N 3/16		
	2,103,455	02/16/83	Great Britain	H04N 1/00 7/12		
	2,126,002	03/14/84	Great Britain	G11B 15/02		
	2,141,897	01/03/85	Great Britain	H04N 7/16		
	2,164,229	03/12/86	Great Britain			
	2,167,917	06/04/86	Great Britain			
	2,185,670	07/22/87	Great Britain	H04N 7/087		
	2,356,969	05/22/75	Germany			X
	2,496,376	06/18/82	France	H04N 7/00	X	
	2,516,733	05/05/83	France	H04N 7/00	X	
	2,831,014	04/03/80	Germany		X	
	3,020,787	12/17/81	Germany	H04N 7/08	X	
	3,039,949	05/06/82	Germany	H04M 3/42	X	
	3,112,249	10/07/82	Germany	G09G 1/28	X	
	3,337,204	04/25/85	Germany	H04N 5/44	X	
	53-068124	06/17/78	Japan		X	
	55-26792	02/26/80	Japan		X	
	55-49084	04/08/80	Japan			X
	55-79585	06/16/80	Japan		X	
	58-156279	09/17/83	Japan		X	
	58-209276	12/06/83	Japan			X

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION NO	YES
	59-160387	09/11/84	Japan	H04N 7/10		X
	59-224988	12/17/84	Japan			X
	60-123182	07/01/85	Japan			X
	60-256289	12/17/85	Japan	H04N 7/173		X
	60-61935	04/09/85	Japan	G11B15/02	X	
	61-148988	07/07/86	Japan	H04N 7/173		X
	61-174889	08/06/86	Japan		X	
	61-50470	03/12/86	Japan	H04N 5/44	X	
	WO 83/00789	03/03/83	PCT Appl.	H04N 7/08	X	
	WO 85/03604	08/15/85	PCT Appl.	H03K 3/84		
	WO 85/03830	08/29/85	PCT Appl.	H04N 7/16		
	WO 87/04884	08/13/87	PCT Appl.	H04M 11/08		

## OTHER DOCUMENTS

Examiner Initial	Date, Author, Title, Pertinent Pages, Etc.
	Various Articles following cover sheet titled "QVP - Pay Per View" 11/29/82
	... the Recordable Laser Videodisc - RLV, product description, Optical Disc Corporation, 2 pages.
	"1983 Worldwide Census of Videotex and Cabletext Activities," CSP International, 9/1983, pp. 24+.
	"An Example of Aggressive Subcarrier Loading," Table, United Video Inc.
	"Diode Array Connection," Virdata 2.1, 1982, 7 pages.
	"KEYCOM Completes Successful Nite-Owl Experiment," KEYCOM News Release, 9/5/82, 3 pages.
	"KEYCOM, SSS Boards Approve Joint Venture for KEYFAX National Teletex Magazine," KEYCOM News Release, 8/20/82, 3 pages.
	"SAT-Guide Tests Electronic Program Guide Unit at Facilities," SAT Guide, 5/1982, pp. 50-52.
	"Software Specification for Monitoring the Use of Teletext," Norpak Limited, November 1980, 4 pages.
	"SSS, KEYCOM Formally Launch KEYFAX National Teletext Magazine," SSS Press Release, 11/17/82, 2 pages.
	"Telesoftware and Education Project: Summary of Report," A Joint BBC/ITV & Brighton Research Project, Summer 1982, 111 p. and appendix.
	"Teletext (Broadcast Videotext) Begins in the United States" by Richard H. Veith, Logica, Inc. at National Online Meeting: Proceedings - 1982 sponsored by Online Review, pp. 547 - 551
	"Vidata - 2105/Interface," 9 pages.
	"Vidata - 352/BNC Connectors," Wegener Communications, Inc., 8 pages.
	"Vidata Teletext and Vertical Interval Data Products," Product Summary, Wegener Communications, April 20, 1983.
	"Zenith Teletex Technology: A Backgrounder," Zenith Radio Corporation, Summer 1983, 6 pages.
	1981 Annual Report, Quotron Systems, Inc.
	1983 Annual Report, Quotron Systems, Inc.
	1986 Annual Report to Shareowners, Customers and Employees, The Dun & Bradstreet Corporation.
	1986 Annual Report, The Allen Group Inc.
	9 Digital Television Developments, Independent Broadcasting Authority (Iba) Technical Review, Pp. 19-31.
	A System Of Data Transmission In The Field Blanking Period Of The Television Signal, Iba Technical Review, Digital Television, Pp. 37-44.
	A Touch-Screen Disc (Devlin Interviews the Producer), reprinted from E&ITV magazine, Vol. 16, No. 5, May 1984, 4 pages.
	A Videotex Pioneer Pushes Into The U.S. Market, Business Week, Apr. 16, 1984, p. 63.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

Examiner Initial	Date, Author, Title, Pertinent Pages, Etc.
	Aarsteinsen, Barbara, "How the Chip Spurs TV Growth," "The promise of digital television has stirred the U.S. Industry," The New York Times, May 20, 1984, 1 page.
	Adams, D.M., "The Place of Viewdata in Relation to Other Communications Techniques in the Travel Industry: A Personal View," Viewdata & Videotext, 1980-81: A Worldwide Report, 1980, pp. 379-397.
	ADD-ON FEATURES, UCSD p-System Version IV, SOFTECH Microsystems, product description, 2 pages.
	Addressable Cable Television Control System with Vertical Interval Data Transmission, Campbell et al. abandoned app. No. 348,937, pp. 1-28, abstract, claims 1-42, Figs. 1-13 (March 1980)
	Addressable control - A big first step toward the marriage of computer, cable, & consumer, Larry C. Brown, (Pioneer Communications of America), Cable
	Advanced Minicomputer-based Systems for Banking and Financial Institutions, Money Management Systems, Incorporated, brochure, 1980, 9 pages.
	Advanced Transmission Techniques, SMPTE Journal, Report on the 121st Technical Conference, January 1980, Vol. 89, pp. 31-32.
	Advertisers Guide to Cable TV Terms, brochure, Cable Ad Associates, Inc.
	Advertising On Cable "Automatic Commercial Insertion-Plus-Automatic Print-Out Verification With the New Ad Machine and Ad Log," Advertisement, Tele-Engineering Corporation, 4 pages.
	Alber, Antone F., "Videotex/Teletext, Principles and Practices," McGraw-Hill Book Company, pp. 37, 138-139, 142-147, 188-191.
	Alber, Antone F., Videotex/Teletext, McGraw-Hill, 1985 pp. 495+.
	Alfonzetti, Salvatore, "Interworking between teletext and OSI systems," Computer Communications (1989)
	Allen Communication Introduces Integrated Interactive Video Systems, brochure, 2 pages.
	Allen Communication Price List, Allen Communication, 1 page.
	Alvord, Charles, Dr. (Communications Technology Management, Inc.), "Creating Standards for Interconnect Systems," CABLE '82, pp. 190-196.
	American National Standard "dimensions of video, audio and tracking control records on 2-in video magnetic tape quadruplex recorded at 15 and 7.5 in/s," SMPTE Journal, October 1981, pp. 988-989.
	American National Standard "time and control code for video and audio tape for 525-line/60-field television systems," SMPTE Journal, August 1981, pp. 716-717.
	Ancillary Signals for Television, U.S. Dept. of Commerce, Sep. 1975.
	Anderson: Progress Committee Report for 1979 - Television, SMPTE Journal, May 1980, Vol. 89, pp. 324-328.
	Andrews, Edmund L., "AT&T Sees the Future in Games," The New York Times, Business Day, 2 pages.
	Annual Index 1982, SMPTE Journal, Vol. 91, January-December 1982, pp. 1253-1263.
	Application of Direct Broadcast Satellite Corporation for a Direct Broadcast Satellite System, Before the Federal Communications Commission, Washington, D.C., Gen. Docket No. 80-603, July 16, 1981.
	Applications Information VCR-3001A Universal Videocassette Control Module, Channelmatic, Inc., product description, 5 pages, Mar. 1984.
	Appx. B of Petition to FCC, p. 72, filed July 29, 1980.
	Arenson, Karen W., "CBS, I.B.M., Sears Join In Videotex Venture," newspaper article, 1 page.
	Art To Go "The Business Builder in a Box," advertisement, Multi-Image Systems, 1 page.
	At Sequent Computer, One Size Fits All, Business Week, Sep. 17, 1984, 1 page.
	Audio Level Detector ALD-3000A, Channelmatic, Inc., product description, March 1984, 1 page.
	Audio Service Packages May Shed Stepchild Status, CableAge, 11/16/81, pp. 17, 18 & 23.
	Audio-Video Emergency Alert System, Channelmatic, Inc., product description, March 1984, 2 pages.
	Automation, Control and Monitoring Systems, brochure, Jasmin Electronics Limited.
	Baran, Paul (PACKETCABLE INC.), "PACKETCABLE: A New Interactive Cable System Technology," CABLE '82 - Technical Papers, National Cable Television Association 31st Annual Convention, Las Vegas, NV, May 3-5, 1982 ("CABLE '82), pp. 1-6.
	Barbieri, Rich, "Perfecting the Body Count," Channels, p. 15, June 1987.

Examiner Initial	Date, Author, Title, Pertinent Pages, Etc.
	Barlow, Michael W.S., "Application of Personal Computers in Engineering," SMPTE Journal, Jan. 1985, pp. 27-30.
	Behrens, Steve, "People Meters' Upside," Channels, p. 19, May 1987.
	Behrens, Steve, "People Meters vs. The Gold Standard," Channels, p. 72, Sep. 1987.
	Berss, Marcia, "Tune in," Forbes, p. 227, Sep. 24, 1984.
	Bertsekas, Dimitri P., "Distributed Dynamic Programming," Proceedings of the 20th IEEE Conference on Decision & Control, 12/16/81, Vol. 1, pp. 774-779.
	Beville, Hugh M. Jr., "The Audience Potential of the New Technologies: 1985-1990," Journal of Advertising Research, April/May 1985, pp. RC-3 - RC-10.
	Bliveau, J., et al., "How to Execute TeleSoftware within the Terminals," Telesoftware, Cavendish Conference Center, 9/27&28/84, IERE Publication No. 60, pp. 21-24.
	Bortz, Paul I., et al., Great Expectations; A Television Manager's Guide to the Future, National Association of Broadcasters, 4/86, pp. 101-103, 133-136.
	Bown, H.G., et al., "Picture Description Instructions PDI for the Telidon Videotex System," Department of Communications, Canada, November 1979, pp. 1-71.
	Boyd, R.T., "Interactive Service Development on the BT Switched-Star Network," IERE Conference on Electronic Delivery of Data and Software, London, 9/16&17/86 pp. 67-73.
	Brack, Fred, "QB1 Anyone?", Alaska Airlines, August 1986, 2 pages.
	Bradshaw, D.J., et al., "BBC Datacast - Conditional Access Operation," IERE Conference on Electronic Delivery of Data and Software, London, 9/16&17/86 pp. 99-105.
	Branch, Charles, "Text Over Video," PC World, Dec. 1983, pp. 202-210.
	Broadcast Break Sequencer Model BBS-3006A, Channelmatic, Inc., product description, March 1984, 1 page.
	Broadcast Quality Random Access Commercial Insert System Featuring the Channelmatic SPOTMATIC Z, Channelmatic, Inc., product description, 1 page.
	Broadcast Teletext Telesoftware Specification, 4/1983, 31 pages.
	Broadcasting Services, brochure, PSN, Private Satellite Network, Inc., 6 pages.
	Broadway Video, Brochure, Feb. 1987.
	Brown, Jr., Robert R. (Cima Telephone and Television), "Inter Bridger Trunking for Information Services," CABLE '82, pp. 183-189.
	Brown, L., "Telesoftware: Experiences of Providing a Broadcast Service," Telesoftware, Cavendish Conference Center, 9/27&28/84, IERE Publication No. 60, pp. 25-28.
	Brown, Lawson, J., "BBC Datacast - Implementing A Data Service," IERE Conference on Electronic Delivery of Data and Software, London, 9/16&17/86 pp. 107-110.
	Brown, Lawson, J., "BBC Telesoftware - 3 Years On," IERE Conference on Electronic Delivery of Data and Software, London, 9/16&17/86 pp. 35-38.
	Browning, E.S., "Sony's Perseverance Helped It Win Market For Mini-CD Players," Wall Street Journal, Feb. 27, 1986, 2 pages.
	BS-14, Broadcast Specification, Television Broadcast Videotext, Telecommunication Regulatory Service, June 19, 1981.
	Busby, E.S., "Digital Component Television Made Simple," SMPTE Journal, July 1985, pp. 759-762.
	Business news breakthrough from Dow Jones, advertisement, The Wall Street Journal, Jun. 10, 1982, p. 47.
	Business Television "Changing the Way America Does Business," PSN, 1986.
	Business Television Services, Irwin Communications, Inc., brochure, 1 page.
	C-100 Series Micro Earth Stations for Satellite Data Distribution, product description, Equatorial Communications Company, 4 pages.
	C-200 Micro Earth Station for Satellite Data Communications, product description, Equatorial Communications Company, 3 pages.
	Cable Advertising Conference February 9, 1982, conference agenda, Cabletelevision Advertising Bureau, Inc., 6 pages.

Examiner Initial	Date, Author, Title, Pertinent Pages, Etc.
	Cable Audience Measurement Study, A Prospectus based upon recommendations of the Ad Hoc Cable Measurement Committee, pamphlet.
	Cable TV Advertising, Paul Kogan Associates, Inc., No. 22, Feb. 18, 1981, 6 pages.
	CAMP, Arbitron Cable, The Arbitron Company, product brochure, May 1980, 8 pages.
	Campbell, S., "Step Ahead of Future TV Market," The Register, October 26, 1978.
	Chambers, J.P., "BBC Datacast - The Transmission System," IERE Conference on Electronic Delivery of Data and Software, London, 9/16&17/86 pp. 93-98.
	Channelmatic ADA-1A, ADA-2A, ADA-3A Audio Distribution Amplifier, Channelmatic, Inc., product description, 1 page.
	Channelmatic ADA-3006A Audio Distribution Amplifier, Channelmatic, Inc., product description, 1 page.
	Channelmatic AVS-10A Patchmaster, Channelmatic, Inc., product description, 2 pages.
	Channelmatic BBX-1A Billibox Bypass and Test Switcher, Channelmatic, Inc., product description, 2 pages.
	Channelmatic CMG-3008A 8-Page Color Message Generator Module, Channelmatic, Inc., product description, 1 page.
	Channelmatic PCM-3000A Superclock Programmable Controller Module, Channelmatic, Inc., product description, 2 pages.
	Channelmatic SDA-1A Sync Stripping Pulse Distribution Amplifier, Channelmatic, Inc., product description, 1 page.
	Channelmatic SPOTMATIC Random Access Commercial Insert System, Channelmatic, Inc., product description, Jul. 1983.
	Channelmatic Television Switching and Control Equipment 3000 Series, Channelmatic, Inc., product descriptions, 1984.
	Channelmatic UAA-6A Universal Audio Amplifier, Channelmatic, Inc., product description, 1 page.
	Channelmatic VDA-1A, VDA-2A, VDA-3A Video Distribution Amplifier, Channelmatic, Inc., product description, 1 page.
	Channelmatic VDA-3006A Video Distribution Amplifier, Channelmatic, Inc., product description, 1 page.
	Channelmatic, Inc., advertisement, "Looking at Local Ad Sales?", 1 page.
	Channelmatic's Handimod I, Channelmatic, Inc., product description, 2 pages.
	Charting A More Profitable Course For Your Portfolio?, advertisement, Dow Jones News/Retrieval, The Wall Street Journal, Jun. 24, 1982, p. 40.
	Chase, Scott, "Corporate Satellite Networks No Longer A Luxury But Rather A Necessity," Via Satellite, July 1987, pp. 18-21.
	Ciciora, Walter S., "Cable Videotex in the United States," The World Videotex Report, 1984, pp. 559-573.
	Ciciora, Walter S., "Pixels and Bits - How Videotex Works," The World Videotex Report, 1984, pp. 17-33.
	CIS-1A SPOTMATIC JR. & CIS-2A LI'L MONEYMAKER, Channelmatic, Inc., Installation and Operations Guide, 950-0066-00, V1.0.
	City of Seal Beach Channel Utilization Guide, 3 pages.
	Clock Switching System Model CCS-3000A-1, Channelmatic, Inc., product description, March 1984, 1 page.
	Collin, Simon, PC Text II (Hardware Review (Shortlist), PC User (1990)
	Collins, Glenn, "For Many, a Vast Wasteland Has Become a Brave New World," New York Times, no date, 2 pages.
	Computer Controls for Video Production, EECO EECODER Still-Frame Decoder VAC-300, product brochure, 1984, 4 pages.
	COMSAT, "Annual Report 1981."
	COMSAT, "Communications Satellite Corporation Magazine," Number 7, 1982.
	COMSAT, "Satellite to Home Pay Television," no date.
	Comsat's STC: Poised for blastoff into TV's space frontier, Broadcasting, Feb. 22, 1982, pp. 38-45.
	Connell, Steve, "Arm-Chair Quarterbacking (Computer football game makes fans the play-callers)," The Sacramento Union, Jan. 23, 1986, 3 pages.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /AH/

Examiner Initial	Date, Author, Title, Pertinent Pages, Etc.
	Connelly, Mike, "Knight-Ridder's Cutbacks at Viewtron Show Videotex Revolution Is Faltering," The Wall Street Journal, Nov. 2, 1984, p. 42.
	Consumer Electronics: A \$40-Billion American Industry, a report prepared by Arthur D. Little, Inc. for the Electronic Industries Association/Consumer Electronics Group, April 1985.
	Consumer Systems Industry Service, research notes, GARTNER GROUP, Inc., June 22, 1983, 13 pages.
	Contraband code, Closed Circuit, Broadcasting, Sep. 28, 1970, 1 page.
	Conway, Paul A., "'Acotuda' An adaptive Technique for Optimum Channel Useage in Data Broadcasting," IERE Conference on Electronic Delivery of Data and Software, London, 9/16&17/86 pp. 51-56.
	Corporate Capabilities, Irwin Communications, Inc., brochure, 1 page.
	Correspondence School Via Computer Is Planned, The New York Times, Sep. 13, 1983, 1 page.
	Couzens, Michael, "Invasion of the People Meters," CHANNELS, June 1986, pp. 40-45.
	Crowther, G.O. "Teletext Enhancements - Levels 1, 2 and 3," IBA Technical Review, May 1983, pp. 11-16.
	Crowther, G.O., "Subscription T.V., A Concept For A Multi Satellite, Multi Programme Source Environment," 4/27/87, 2 pages.
	CVS-3000A Commercial Verification System, Channelmatic, Inc., product description, March 1984, 1 page.
	Dahlquist, John (Jerrold Division, General Instrument Corporation), "Techniques for Improving Continuity of Service in a CATV Distribution System," ABSTRACT, CABLE '82, p. 138
	Damouny, N.G. "Teletext Decoders - Keeping Up with the Latest Technology Advances," Consumer Electronics, Vol. CE-30, No. 3, August 1984, pp. 429-436.
	Data Communications Network Description, product description, Equatorial Communications Company, 5 pages.
	Day, Alexander G., "From Studio to Home - How Good is the Electronic Highway?", SMPTE Journal, Feb. 1985, pp. 216-217.
	DeGoulet, et al., "Automatic Program Recording System" Radio diff. Et TV 11/75
	Department of Transport and Communications Radio Frequency Management Division, Licensing Procedures for Ancillary Communications Services (ACS).
	Development Software, Visage, Inc., product description, 4 pages.
	Diamond, David, "Why Television's Business Programs Haven't Turned a Profit," The New York Times, Jun. 16, 1985, pp. F10-F11.
	Diamond, Edwin, "Attack of the People Meters," New York, pp. 38-41, Aug. 24, 1987.
	Diamond, Sam, "Turning Television Into A Business Tool," High Technology, April 1987, 2 pages.
	Dickey, Glenn, "A Game That's Better Than The Real Thing," San Francisco Chronicle, Dec. 17, 1985, p. 63.
	Dickey, Glenn, "QB1: Bringing The Game Into The Bar," SPORT MAGAZINE, Oct. 1986, 1 page.
	Dickinson, Robert V.C. (E-COM CORPORATION), "Carriage of Multiple One-Way and Interactive Service on CATV Networks," CABLE '82, pp. 16-21.
	Did the ad run?, Media Decisions, July 1969, pp. 44 et seq.
	Digisonics' Aim Is Info Bank, Not Just Proof of Performance, Advertising Age, Nov. 9, 1970, 4 pages.
	Digisonics' dilemma, Media Decisions, June 1971, 6 pages.
	Digisonics pushes its coding method, Broadcasting, Dec. 7, 1970, p. 37.
	DIGISONICS TV Monitor System Finds Defenders, Advertising Age, Dec. 8, 1969, 1 page.
	Digisonics violated standards, says BAR, Broadcasting, Oct. 5, 1970, pp. 21-23.
	Digital TV set to burst on U.S. mart, New York Post, 2 pages.
	DIGITAL, "Vax Producer, A System for Creating Interactive Applications," product bulletin, May 1984, 8 pages.
	Do You Want to be Making \$5-\$10 a Subscriber - Right Now? "Join Us in Our Success!", advertisement, Multi-Image Systems, 1 page.
	Dolnick, Edward, "Inventing The Future," The New York Times Magazine, August 23, 1987.

Examiner Initial	Date, Author, Title, Pertinent Pages, Etc.
	Dow Jones Cable Information Services, Company Brochure, 1982.
	Dow Jones Cable News Service Daily Features Financial Markets, product summary, 1 page.
	DOWALERT, Brochure, 1983, 6 pages.
	DOWNLOAD, Monthly Newsletter, Vol. 1, No. 1, May 1984.
	Dowsett, C., "Code of Practice for Second Generation Teletext," IERE Conference on Electronic Delivery of Data and Software, London, 9/16&17/86 pp. 9-26.
	Dowsett, C., "Telesoftware in the Development of Wideband Cable Systems and Services," Telesoftware, Cavendish Conference Center, 9/27&28/84, IERE Publication No. 60, pp. 45-48.
	Draft, North American Broadcast Teletext Specification (NABTS), EIA/CVCC, 9/20/83, 85 pages.
	Dragutsky, Paula, "Data in the bank is booming biz," New York Post, Apr. 29, 1985, 1 page.
	Dufresne, Michel (Videotron Communications LTEE), "New Services: An Integrated Cable Networks's Approach," CABLE '82, pp. 156-160.
	Dumaine, Brian, "Who's Gypping Whom in TV Ads?", Fortune, pp. 78-79, July 6, 1987.
	Dunn, Donald H., editor, "Devices That Let You Track Stocks Like A Floor Trader," Personal Business, Business Week, July 25, 1983, pp. 83-84.
	Dunn, Donald H., editor, "How to Pick Your Stocks by Computer," Personal Business, Business Week, Sep. 12, 1983, pp. 121-122.
	E.F. Hutton to Start A Videotex Service, newspaper article, 1 page.
	eca, brochure, Effective Communication Arts, Inc., 4 pages.
	Eisenhammer, John, "Will Europe's Satellite TV Achieve Lift-Off?", Business, Aug. 1986, pp. 56-60.
	Eissler, Charles (Oak Communications Systems), "Addressable Control for the Small System," CABLE '82, pp. 32-36.
	Electronic Surveys, Inc. Signs NTN Contract, News Release, NTN Communications, Inc. Carlsbad, CA, 2 pages.
	ELITE 2000 Creation System, IBM Compatible Information Display System, advertisement, Display Systems International, Inc., 1 page.
	ELRA Group Cablemark Reports Volume I, SAT Guide, Feb. 1982, 1 page.
	Enhanced graphics for Teletext, R.H. Vivian, August 1981, IEEE pp. 541-550
	ETHERNET, 10mbit per second Local Area Network, Silicon Graphics, Inc., product specification, 2 pages.
	Etkin, Vertical Interval Signal Applications, Broadcast Engineering, pp. 30-35, April 1970.
	EUROM - a single-chip c.r.t. controller for videotex, Mullard, Technical publication, 1984, 12 pages.
	EUROM "A display IC for CEPT Videotex," Mullard, product information, Feb. 1984, 6 pages.
	European Security Prices Are Now Available As New Service From Quotron Systems, News Release, Sep. 21, 1984, 1 page.
	Everything you've always wanted to know about TV RATINGS, A.C. Nielsen Company, brochure, 1978.
	Experienced Educator/Trainers, "Use the new PILOT plus Training System to develop highly interactive courseware on your IBM PC that will run on most microcomputers," advertisement, ONLINE Computer Systems, Inc., 2 pages.
	Fantel, Hans, "Videotex to Expand What a TV Can Do," article, 1 page.
	Fast Forth "No Other Forth Comes Close," IEV Corporation, product brochure.
	Ferre, "Goodbye, TV Snow", Electronic Servicing, May 1977, pages 14-22
	Few Things In Life Work As Well As TAPSCAN, advertisement, TAPSCAN Incorporated, 6 pages.
	Financial News Network Eyeing Teletext Service Tied To Home Computers, International Videotex Teletext News, Dec. 1983, 1 page.
	Financial News Network The Business Connection, brochure, Financial News Network, 8 pages.
	Fisher, Lawrence M., "TV: Growing Corporate Tool," The New York Times, 2 pages.
	Five Authoring Languages Now Available For Use With Visage Interactive Video Systems, Visage News Release, Visage, Inc., March 18, 1985, 5 pages.
	Fletcher, Carol, "Videotext: Return Engagement," IEEE Spectrum, 10/85, pp. 34-38.
	Flexible programmieren mit VPS, Funkschau, (German publication), 1985. (translation provided).